

COMMUNICATIONS APPARATUS, SYSTEMS, AND METHODS

Abstract of the Disclosure

In some embodiments, an apparatus and a system, as well as a method and an article, may include translating a bit stream into a multi-tone communications signal having a substantially simultaneous multi-tone signaling bandwidth of greater than about 20 percent of an associated carrier frequency. In some embodiments, an apparatus and a system, as well as a method and an article, may include determining a presence of a plurality of tones included in a multi-tone communications signal by comparing a combined amount of two measured orthogonal signal components to a threshold value.

"Express Mail" mailing label number: EV415949279US

Date of Deposit: March 30, 2004

This paper or fee is being deposited on the date indicated above with the United States Postal Service pursuant to 37 CFR 1.10, and is addressed to the Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.